



SEQUENCE LISTING

<110> Goulmy, Elsa

<120> METHOD FOR TYPING OF MINOR HISTOCOMPATIBILITY ANTIGEN HA-1

<130> 58994

<140> 09/269,250

<141> 1999-05-21

<160> 38

<170> PatentIn version 3.1

<210> 1

<211> 377

<212> DNA

<213> Human

<400> 1

gtgagagcca cggggacacc gaggcctggg tggaagacag agccagaccc aagggaggat
60

ggagggaggg acttggggag gtcagaagg gagggaggct cagatggcag ggagggctgt
120

gtggaagagg ccatgacagc taaggctctg agggatgtgt aggagtttgg tgggggagtc
180

cctgagcgta cactgggtca agagggtgcc cactttattt ttttaaagg atctgatggc
240

aattaggagg gaaaggcaga ggaaatgtcc catgcacagg ctcagaaaca cggaaacaga
300

gaatgcattt gggggccaag gtgtgggggtg ccgctgggtg aggatgaagg catgacaacg
360

ccaggcagaa gggcaat
377

<210> 2
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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 2
gtgctgcctc ctggacactg
20

<210> 3
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 3
tggctctcac cgtcacgcag
20

<210> 4
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<223> Description of Artificial Sequence: Primer

<400> 4
tggctctcac cgtcacgcaa
20

<210> 5
<211> 20
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<213> Artificial Sequence

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<400> 5

gcattctctg tttccgtgtt

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<210> 6

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

<400> 6

cttaaggagt gtgtgctgca

20

<210> 7

<211> 20

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<220>

<223> Description of Artificial Sequence: Primer

<400> 7

cttaaggagt gtgtggtgcg

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<210> 8

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 8
gctgtcatgg cctcttccac
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<210> 9
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<223> Description of Artificial Sequence: Primer

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gcattctctg tttccgtgtt
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<210> 10
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ggcagagagc cctcgcagcc
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<210> 11
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<220>
<223> Description of Artificial Sequence: Primer

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gtgtgttgcg tgacggtg
18

<210> 12
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<220>
<223> Description of Artificial Sequence: Primer

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gtgtgttgcg tgacg
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<210> 13
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tgtgtgttgc gtgacg
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<210> 14
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<220>
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tgtgtgctgc atgacggt
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<223> Description of Artificial Sequence: Primer

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27

Val Leu Arg Asp Asp Leu Leu Glu Ala

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<210> 18
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<400> 18

Val Leu Arg Asp Asp Leu Leu Glu Ala
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<210> 19
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<220>
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<223>

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gtg ctg cat gac gac ctc ctt gag gcc
27
Val Leu His Asp Asp Leu Leu Glu Ala
1 5

<210> 20
<211> 9
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Exon Fragments

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Val Leu His Asp Asp Leu Leu Glu Ala

1

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<211> 23

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Exon Fragments

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23

<210> 22

<211> 37

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Exon Fragments

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37

<210> 23

<211> 33

<212> DNA

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ccggcatgga cgtcgtcgag gacatctccc atc
33

<210> 24

<211> 30

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

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<210> 25

<211> 39

<212> DNA

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<220>

<223> Description of Artificial Sequence: PCR Product

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<221> CDS

<222> (1)..(39)

<223>

<400> 25

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Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg

1

5

10

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<220>
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Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg
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39
Glu Cys Val Leu His Asp Asp Leu Leu Glu Ala Arg Arg
1 5 10

<210>	28
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<220>

<223> Description of Artificial Sequence: PCR Product

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Glu Cys Val Leu His Asp Asp Leu Leu Glu Ala Arg Arg
1 5 10

<210> 29

<211> 9

<212> PRT

<213> Human

<220>

<221> MISC_FEATURE

<222> (3)..(3)

<223> Xaa represents a histidine (H) or an arginine (R) residue

<400> 29

Val Leu Xaa Asp Asp Leu Leu Glu Ala
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<210> 30

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 30

gctcctgcat gacgctctgt ctgca
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<210> 31

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 31

gacgtcgtcg aggacatctc ccat

24

<210> 32

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 32

gaaggccaca gcaatcgtct ccagg

25

<210> 33

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

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ccttgagaaa cttaaggagt gtgtgctgca

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<210> 34

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

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ccttgagaaa cttaaggagt gtgtgttgcg
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<210> 35
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48
Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg Glu Cys Val

1 5 10 15

ctg cat gac gac ctc ctt gag gcc cgc cgc
78
Leu His Asp Asp Leu Leu Glu Ala Arg Arg

20 25

<210> 36
<211> 26
<212> PRT
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<220>
<223> Description of Artificial Sequence: PCR Product

<400> 36

Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg Glu Cys Val
 1 5 10 15

Leu His Asp Asp Leu Leu Glu Ala Arg Arg
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<210> 37

<211> 9

<212> PRT

<213> Human

<220>

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<222> (2)..(2)

<223> Xaa represents Isoleucine or Leucine

<400> 37

Tyr Xaa Thr Asp Arg Val Met Thr Val
 1 5

<210> 38

<211> 8

<212> PRT

<213> HUMAN

<400> 38

Val Leu His Asp Leu Leu Glu Ala
 1 5